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(54) **Video rangefinder.**

(57) A system for determining range and orientation of distant objects, such as a ship, is claimed. By utilizing split imaging the observed height on a video monitor can be accurately determined despite movements of the image on the monitor. The observed ship can be visually identified and the true height determined from reference source. A better comparison of data indicating the true height compared to observed height permits calculation of the range to the target ship. Split imaging can also be utilized to determine the observed length of the ship so that observed height and length data can be compared to the true height and length of the target ship to determine orientation of the target ship relative to the observed.



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EUROPEAN SEARCH REPORT

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EP 84 10 8707

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	US-A-3 322 022 (R.E. WOOD) * Column 2, line 57 - column 3, line 3; figure 5 *	1,8,9	G 01 C 3/22 G 01 C 3/08
A	US-A-4 259 688 (M. TOKUHARA et al.) * Abstract; claim 1 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 01 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 06-07-1987	Examiner HUNT J.H.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			